

IN THE CLAIMS:

1-2. (canceled).

3. (previously amended) The method of claim 24, wherein the dry cutting is performed by drilling, brushing, knurling, circular milling or combinations thereof.

4. (previously amended) The method of claim 24, wherein the tool comprises cubic boron nitride, polycrystalline diamond, a coated or uncoated hard metal or a ceramic.

5-9. (canceled).

10. (previously amended) The method of claim 24, wherein the tool is an indexing insert.

11. (previously amended) The method of claim 24, wherein the tool is fitted with a plurality of indexing inserts.

12-23. (canceled).

24. (previously amended) A method of making a cylinder bore in an engine block, comprising:

dry cutting an interior of the cylinder bore without a lubricant using a tool having a surface profile, wherein a portion of a material forming the interior is removed and produces a surface having a defined quality or structure; and thermally-spraying a layer onto the surface, without prior degreasing or cleaning.

25. (previously amended) A process for surface coating an interior side of a cylinder bore, comprising:

removing a portion of material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and

directly applying a thermally sprayed tribological layer to the surface, without prior degreasing or cleaning,

wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached, using a cutting tool with a defined surface profile.

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Cancel* 26. (previously amended) A process for surface coating an interior side of a cylinder bore, comprising:

removing a portion of a material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and

directly applying a thermally sprayed tribological layer to the surface, without prior degreasing or cleaning,

wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached, using a cutting tool with an undefined surface profile.

27. (previously amended) A process for surface coating an interior side of a cylinder bore, consisting of:

removing a portion of material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and

directly applying a thermally sprayed tribological layer to the surface, without prior degreasing or cleaning,

wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached.